



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**PGT Industries
1070 Technology Drive
Nokomis, FL 34275**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series HR-810 Mid-Rise Aluminum Horizontal Roller Window – Large Missile Impact

APPROVAL DOCUMENT: Drawing No. **4121-1**, dated 04/22/02, with revision C dated 10/23/02, titled "Mid-Rise, Alum. Horizontal Roller", Sheets 1 through 5, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 02-0719.07
Expiration Date: January 2, 2008
Approval Date: January 2, 2003
Page 1**

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **4121-1**, Sheets 1 through 5 of 5, titled "Mid-Rise, Alum. Horizontal Roller", dated 04/22/02 with revision C dated 10/23/02, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of a series HR-810 aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3259**, dated February 22, 2002, signed and sealed by Luis Antonio Figueredo, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by manufacturer, dated 04/24/02, 7/12/02 and 7/30/02, , revised on 11/26/02 signed and sealed by Robert L. Clark, P.E.

D. MATERIAL CERTIFICATIONS

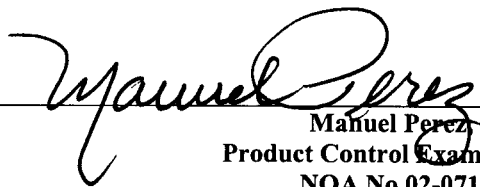
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 01/17/02, expiring on 01/14/07.

E. STATEMENTS

1. Statement letter of conformance, dated May 21, 2002, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated May 21, 2002, signed and sealed by Robert L. Clark, P.E.
3. Laboratory compliance letter for Test Report no. **FTL-3259**, issued by Fenestration Testing Laboratory, Inc., dated March 26, 2002, signed and sealed by Luis Figueredo, P.E.

F. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0719.07
Expiration Date: January 2, 2008
Approval Date: January 2, 2003

NOTES: LARGE MISSILE IMPACT WINDOW

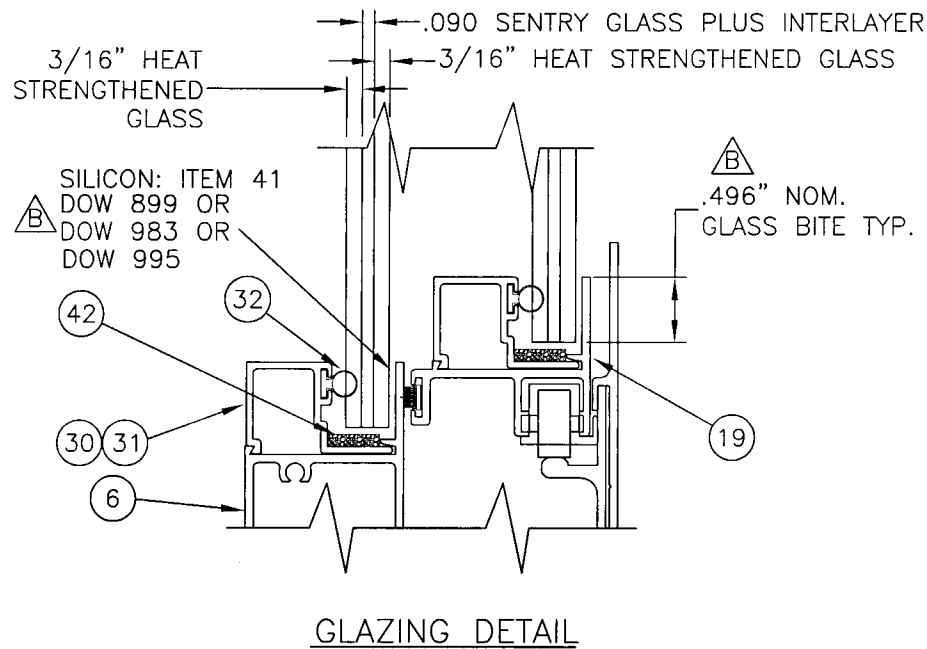
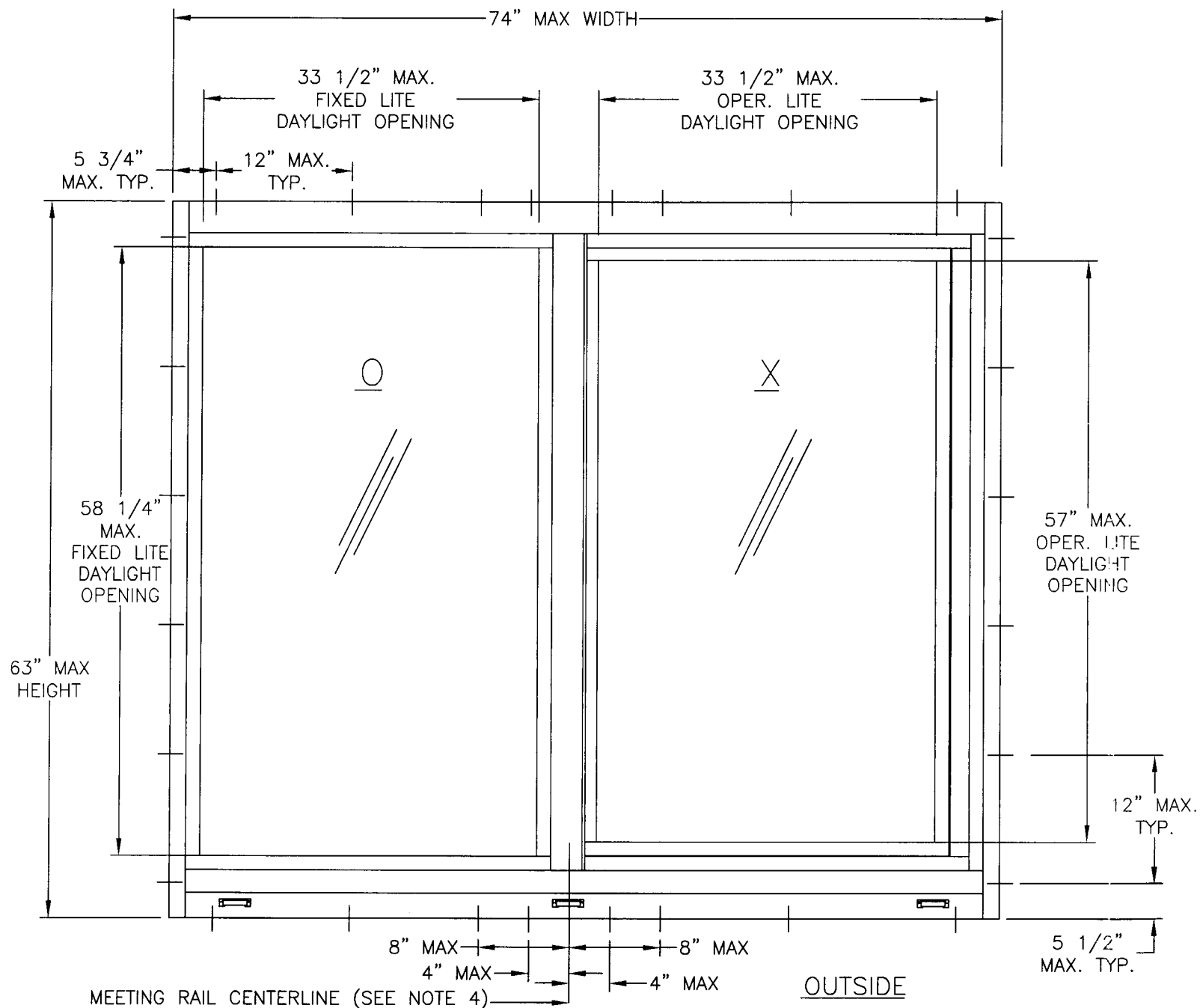
1. GLAZING: 7/16" LAMINATED GLASS, PARTS LIST ITEM 43, COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF SENTRY GLASS PLUS.
2. CONFIGURATIONS: OX, XO
3. DESIGN PRESSURE RATING: SEE TABLE 1.
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE & GLASS TABLES ASTM E 1300-98.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE & GLASS TABLES ASTM E 1300-98.
4. ANCHORAGE: SINGLE ROW OF FASTENERS LOCATED AS FOLLOWS & PER SHEET 5.

HEAD & SILL:

MAX. 5 3/4" FROM CORNERS.
MAX. 4" & 8" ON EACH SIDE OF MEETING RAIL CENTERLINE.
MAX. 12" SPACING.

JAMBS:

MAX. 5 1/2" FROM CORNERS.
MAX. 12" SPACING.
5. SHUTTER REQUIREMENT: NONE REQUIRED
6. NARROW JOINT SEALANT IS USED ON ALL 4 CORNERS OF THE FRAME.
7. REFERENCE TEST REPORT: FTL-3259



SEE SHEET 2 FOR SECTION DETAILS
 SEE SHEET 4 FOR FRAME CORNER AND
 SASH CORNER CONSTRUCTION DETAIL

DESIGN PRESSURE - TABLE 1.

DESIGN PRESSURE RATING (P.S.F)	NEG.	POS.
	-110	90

[Signature]
 11/26/02

Robert L. Clark, P.E.
 PE #39712
 Structural

PGT
INDUSTRIES

1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

P.O. BOX 1529
 NOKOMIS, FL 34274

Revsd By:	Date:	Revisions:
F.K.	10/23/02	C - NO CHG THIS SHT
F.K.	8/15/02	B-EXP TBLOCK & GLAZING
F.K.	7/30/02	REMOVE SM MISSILE
Drawn By:	Date:	
F.K.	4/22/02	

Description:

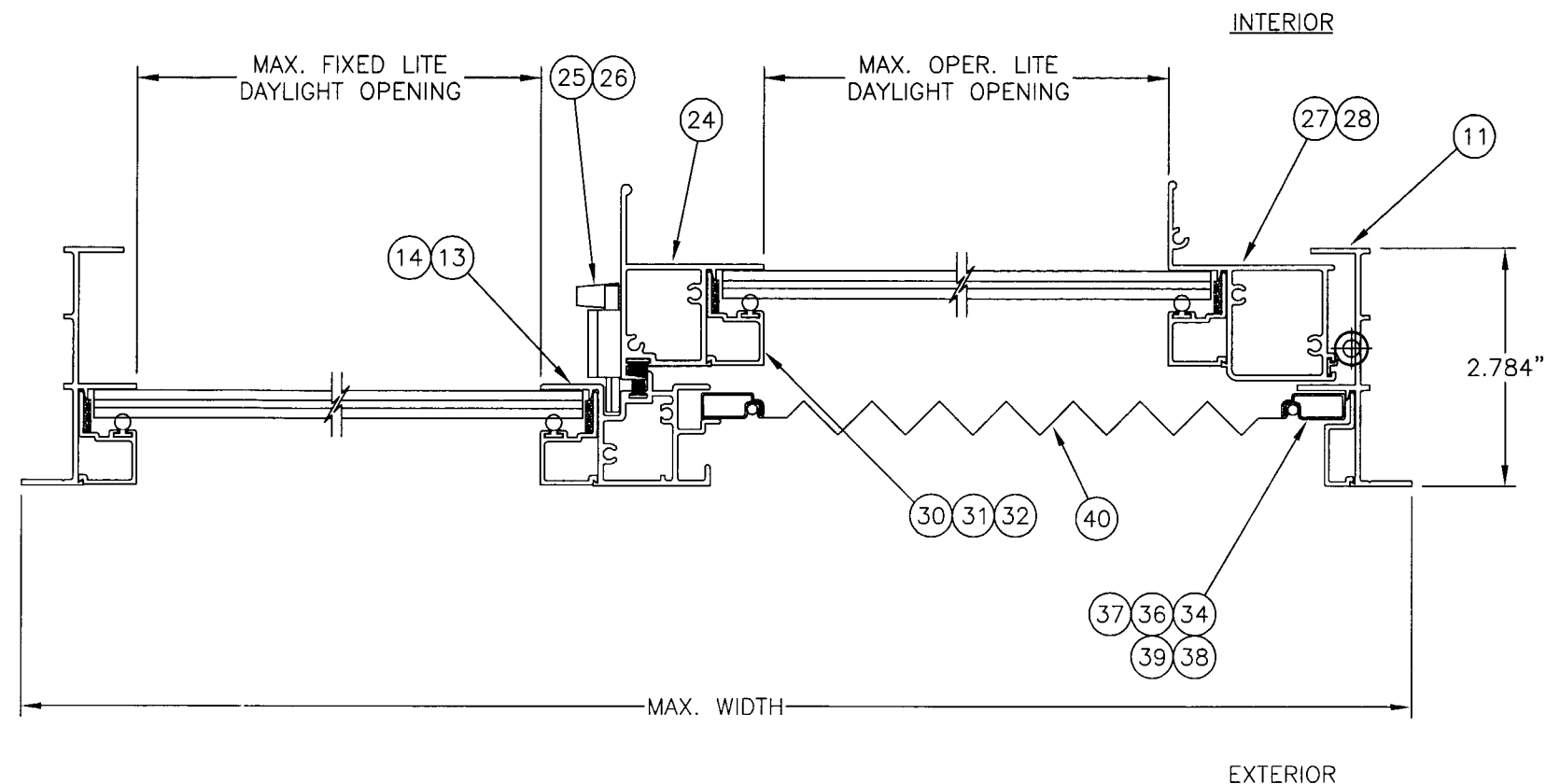
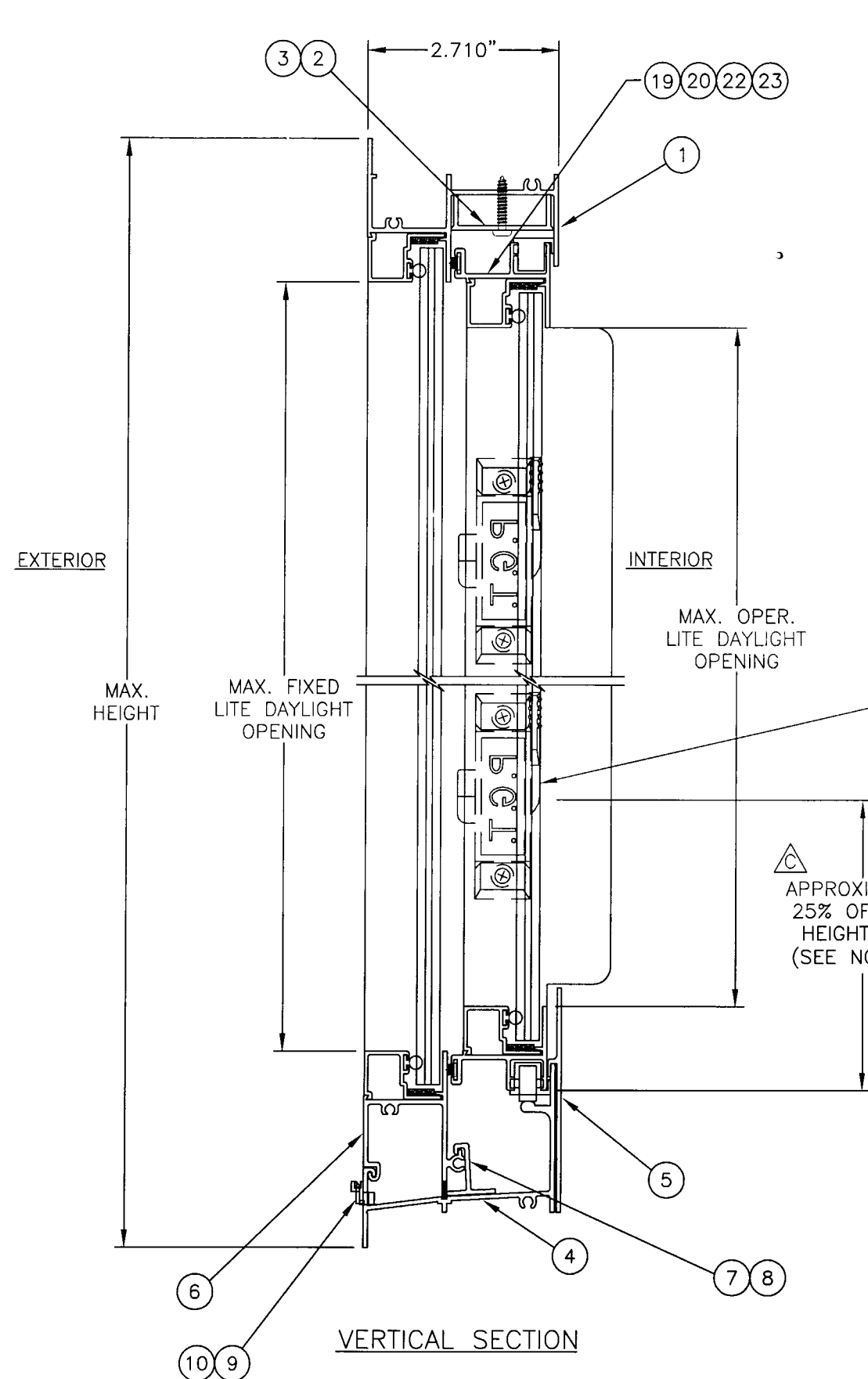
ELEVATION & GLAZING DETAIL (LG MISSILE)

Title:

MID-RISE, ALUM. HORIZONTAL ROLLER

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
HR-810	NTS	1 of 5	4121-1	C

Approved as complying with the
 Florida Building Code
 Date JAN 2, 2003
 NOA# 02-0719.07
 Miami Dade Product Control
 Division
 By *[Signature]*



HORIZONTAL SECTION

NOTE:

1. REFERENCE TEST REPORT: FTL-3259
2. WINDOWS 42" HIGH OR LESS REQUIRE (1) ONLY, ITEM 25, SWEEP LATCH CENTERED VERTICALLY.

Robert L. Clark
11/26/02
Robert L. Clark, P.E.
PE #39712
Structural

**P&G
INDUSTRIES**

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

Revsd By:	Date:	Revisions:
Revsd By: F.K.	Date: 10/23/02	Revisions: C-CHG LATCH DIM.
Revsd By: F.K.	Date: 8/15/02	Revisions: B-EXP TBLOCK
Revsd By: F.K.	Date: 7/30/02	Revisions: REMOVE SM MISSILE
Drawn By: F.K.	Date: 4/22/02	

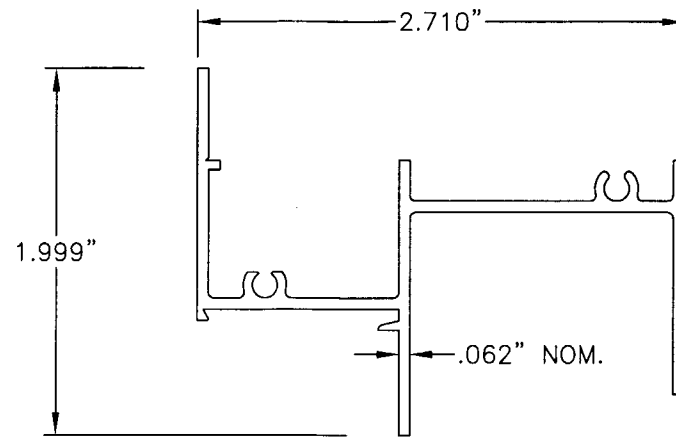
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VERTICAL & HORIZONTAL SECTIONS

Title:
MID-RISE, ALUM. HORIZONTAL ROLLER

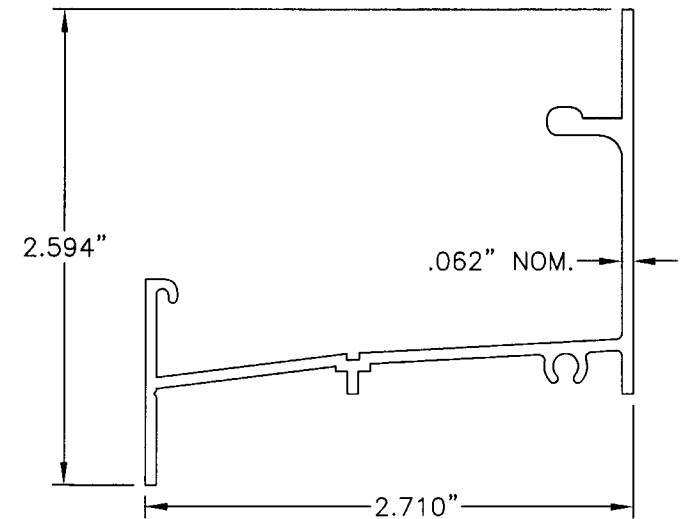
Series/Model: HR-810	Scale: NTS	Sheet: 2 of 5	Drawing No. 4121-1	Rev: C
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Florida Building Code
Date JAN. 2, 2003
NOA# 02-0719-07
Miami Dade Product Control
Division
By *Maurice Perez*

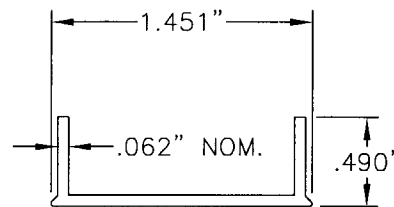
ITEM	DWG #	DESCRIPTION	VENDOR	PGT#
1	4102	Flange Frame Head	6063-T5	612237
2	4025	Sash Stop (Std.)	6063-T5	612244
3		#8 x 3/4 PH. PAN HEAD TEK		7834PW,B
4	4103	Flange Frame Sill	6063-T5	612238
5	4361	3.500" Sill Add On	6063-T5	64361
6	4104	Frame Sill Adapter	6063-T5	612239
7	4125	Windload Adapter	6063-T6	64125
8		#6 x .375 Ph. Pn. TEK S. Stil	S. STL	
9	1094	Weep Housing	NYLON 6/6	70250
10	1095	Weep Flap	NYLON 6/6	70251
11	4002	Flange Frame Jamb	6063-T5	612225
12	1155-1	#8 x 1.000 Quad Pn. SMS S. Stil.	S. STL	781PQX
13	4005	Fixed Meeting Rail	6063HS-T54	612228
14	1060	Wstp., 187 x .230, fin seal		61060G
19	4105	Sash Top and Bottom Rail	6063-T5	612240
20	1235	Wstp., 170 x .270 back, fin seal		67S16G
22	1092	Roller Housing & Guide	NYLON 6/6	70312
23	226	Brass Roller Wheels	BRASS	7BRWHL2
24	4054	Sash Meeting Rail	6063HS-T54	64054
25	1096	Sweep Latch	DIE-CAST	71096
26	1016	#8 x .625 Ph. Fl. SMS	STL.	7858BB
27	4007	Sash Side Rail	6063-T5	612230
28	4119	Wstp. Bulb w/closed cell foam Ultrafab		64120
30	985	Glazing Bead 7/16 Lami w/Grill Kit	6063-T5	6985
31	4222A	Glazing Bead 7/16 Lami	6063-T5	64222
32	1224	Vinyl Bulb Weatherstrip "Thick"	VINYL	TP-247
34	1014	Screen Frame	3105 H14	61011
36	1013	Screen Corner Key	Polypropylene	49103
37	1073	Screen Spring	S. STL	78835
38	1278	Screen Pull Tab	Elastometric PVC	70409
39	1008	Screen Spline	Elastometric PVC	68535
40		Screen Cloth		61816
41		Silicon Adhesive - Dow 899, Dow 995 or Dow 983		
42		Setting Block (3/32x25/64x1)		71622
43		Glass 7/16 Laminated (3/16 Heat Strengthened, .090 Sentry Glass Plus, 3/16 Heat Strengthened)		



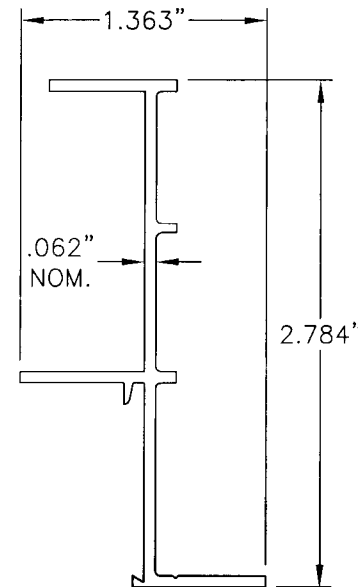
① FRAME HEAD
MAT'L: 6063-T5
DWG #4102



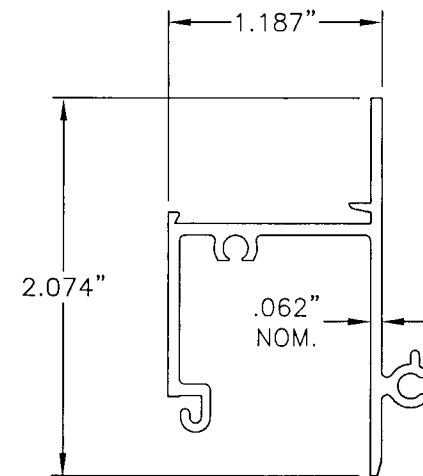
④ FRAME SILL
MAT'L: 6063-T5
DWG #4103A



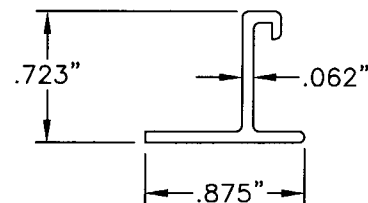
② SASH STOP
MAT'L: 6063-T5
DWG #4025



⑪ FRAME JAMB
MAT'L: 6063-T5
DWG #4002



⑥ FRAME SILL ADAPT.
MAT'L: 6063-T5
DWG #4104



⑦ WINDLOAD ADAPTER
MAT'L: 6063-T6
DWG #4125

NOTE:

1. REFERENCE TEST REPORT: FTL-3259

Robert L. Clark
11/26/02
Robert L. Clark, P.E.
PE #39712
Structural

PGT
INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

Revsd By:	Date:	Revisions:
Revsd By: F.K.	Date: 10/23/02	Revisions: C - CORRECT ITEM 7
Revsd By: F.K.	Date: 8/15/02	Revisions: B-EXP TBLOCK
Revsd By: F.K.	Date: 7/30/02	Revisions: REMOVE SM MISSILE
Drawn By: F.K.	Date: 4/22/02	

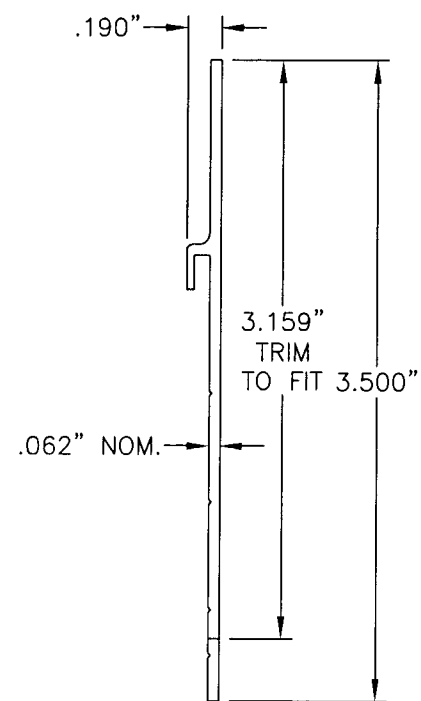
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PARTS LIST & EXTRUSION PROFILES

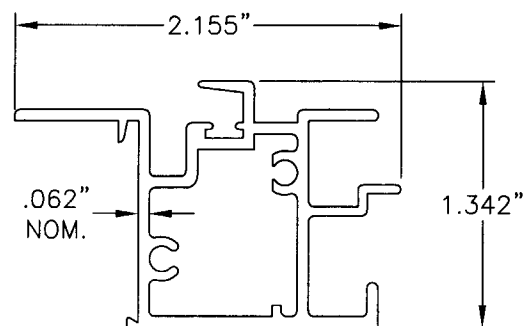
Title: MID-RISE, ALUM. HORIZONTAL ROLLER

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
HR-810	NTS	3 of 5	4121-1	C

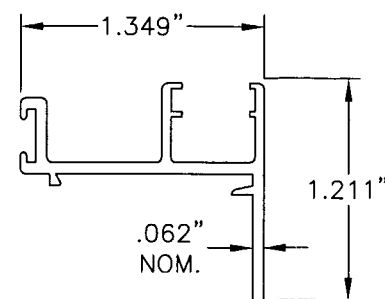
Approved as complying with the
Florida Building Code
Date: JAN. 2, 2003
NOA# 02-0719.87
Miami Dade Product Control
Division
By: *Manuel Perez*



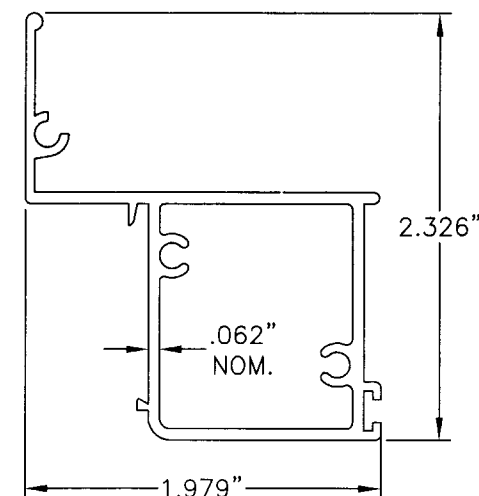
⑤ 3.50" SILL ADD ON
MAT'L: 6063-T5
DWG #4361



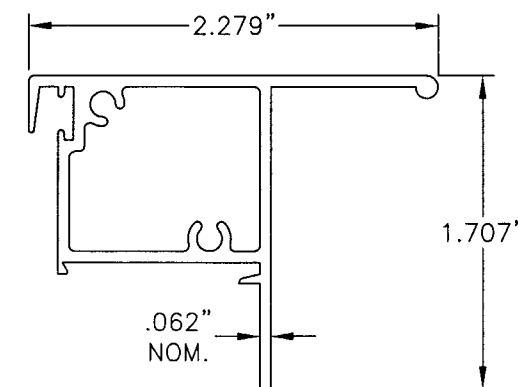
⑬ FIXED MEET. RAIL
MAT'L: 6063HS-T54
DWG #4005



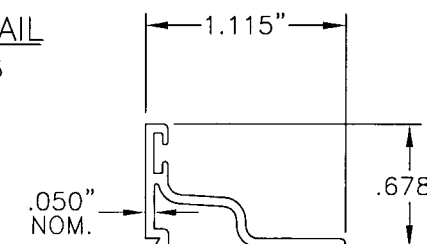
⑲ ⑳ SASH TOP &
BOTT. RAIL
MAT'L: 6063-T5
DWG #4105



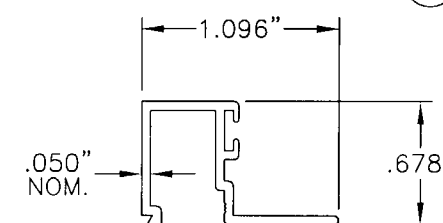
⑳ SASH SIDE RAIL
MAT'L: 6063-T5
DWG #4007



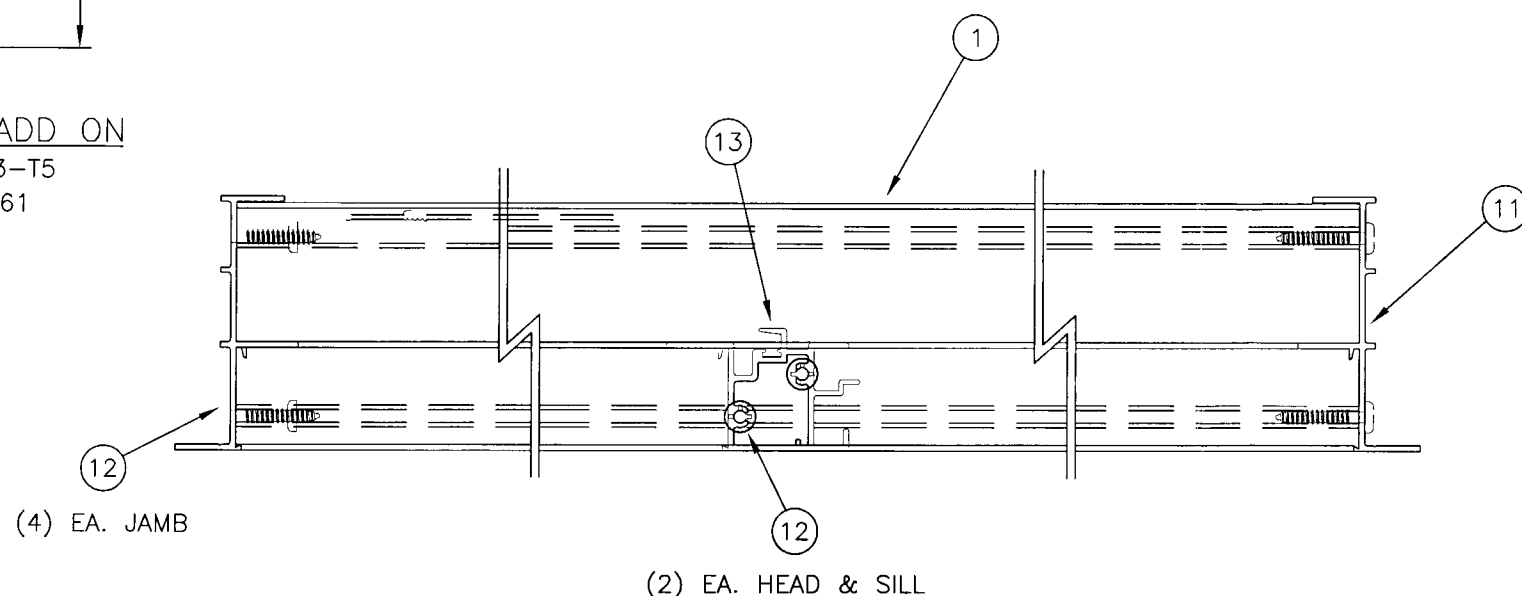
㉔ SASH MEET. RAIL
MAT'L: 6063HS-T54
DWG #4006C



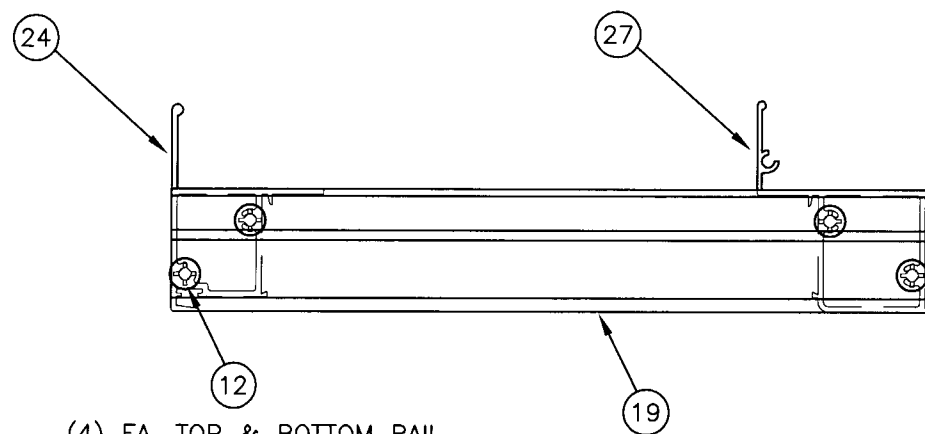
③① 7/16 LAMI BEAD
W/GRILL KIT
MAT'L: 6063-T5
DWG #985



③① 7/16 LAMI BEAD
MAT'L: 6063-T5
DWG #4222A



FRAME CORNER & MEETING RAIL CONSTRUCTION



SASH CORNER CONSTRUCTION

NOTE:

1. REFERENCE TEST REPORT: FTL-3259

[Signature]
11/24/12

Robert L. Clark, P.E.
PE #39712
Structure

PGT
INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Revsd By:	Date:	Revisions:
Revsd By: F.K.	Date: 10/23/02	Revisions: C - NO CHG THIS SHT
Revsd By: F.K.	Date: 8/15/02	Revisions: B-ADD CORNER CONST.
Revsd By: F.K.	Date: 7/30/02	Revisions: REMOVE SM MISSILE
Drawn By: F.K.	Date: 4/22/02	

Description:

EXTRUSION PROFILES - CONTINUED

Title:

MID-RISE, ALUM. HORIZONTAL ROLLER

Series/Model:

HR-810

Scale:

NTS

Sheet:

4 of 5

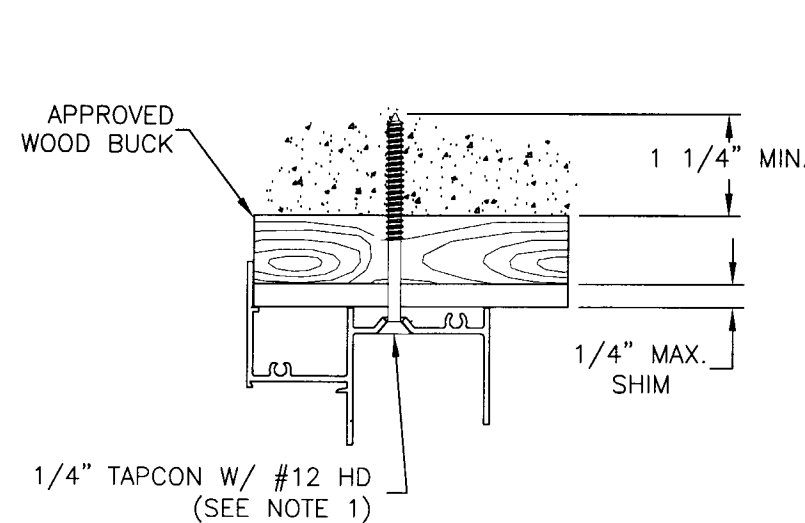
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4121-1

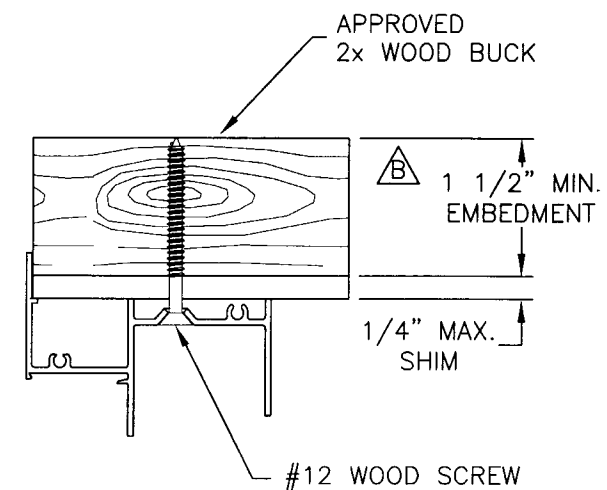
Rev:

C

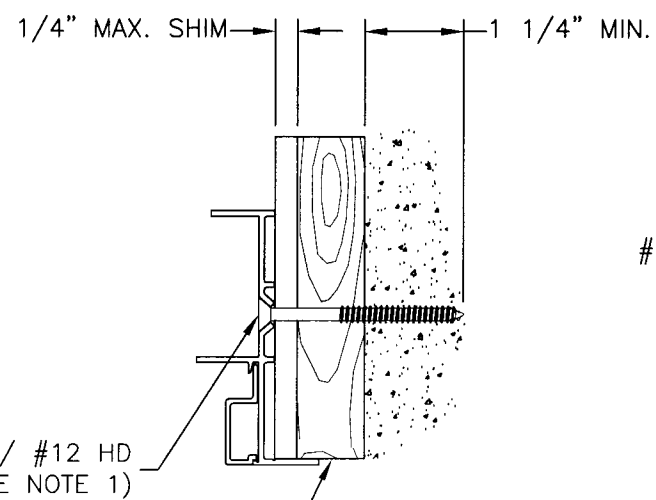
Approved as complying with the
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Date: JAN. 2, 2003
NOA# 02-8719.07
Miami Dade Product Control
Division
By: *[Signature]*



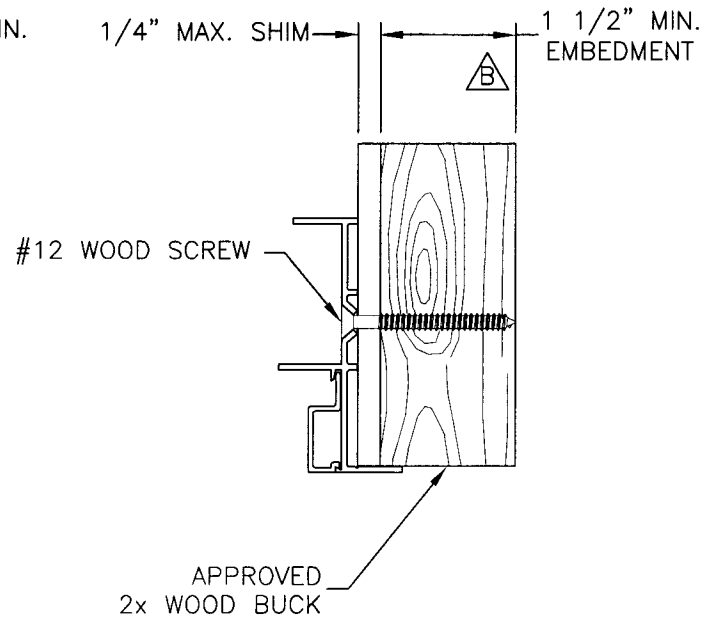
TYPICAL HEAD SECTION
SUBSTRATE ANCHORING



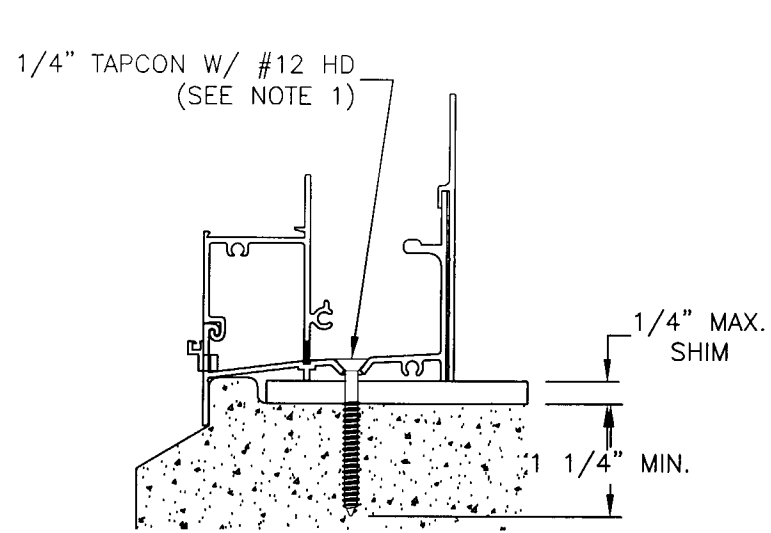
TYPICAL HEAD SECTION
WOOD ANCHORING



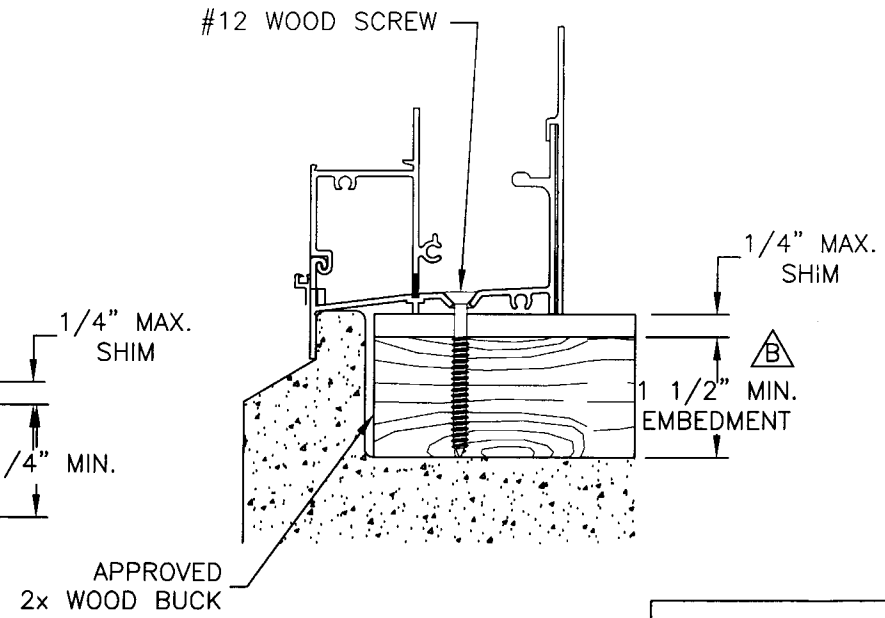
TYPICAL JAMB SECTION
SUBSTRATE ANCHORING



TYPICAL JAMB SECTION
WOOD ANCHORING



TYPICAL SILL SECTION
SUBSTRATE ANCHORING



TYPICAL SILL SECTION
WOOD ANCHORING

NOTES:

1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO OR ITW TAPCONS.
2. REFERENCE TEST REPORT: FTL-3259

[Signature]
10/26/07

Robert L. Clark, P.E.
PE #39712
Structural



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Revsd By:	Date:	Revisions:
Revsd By: F.K.	Date: 10/23/02	Revisions: C - NO CHG THIS SHT
Revsd By: F.K.	Date: 8/15/02	Revisions: B-EXP TBLOCK, MOD SCR
Revsd By: F.K.	Date: 7/30/02	Revisions: REMOVE SM MISSILE
Drawn By: F.K.	Date: 4/22/02	

Description: ANCHORAGE			
Title: MID-RISE, ALUM. HORIZONTAL ROLLER			
Series/Model: HR-810	Scale: NTS	Sheet: 5 of 5	Drawing No. 4121-1
			Rev: C

Approved as complying with the
Florida Building Code
Date: JAN. 2, 2003
NOA# 02-0719-07
Miami Dade Product Control
Division
By: *[Signature]*